ProQuest

Basic	Advanced	Topics	Publications	My Research

0 marked items

Interface language:

English

Databases selected: Multiple databases...

No documents found for: *nuclear reactor? and control rod? and spring? and stress* and shear**

Refine your search below using the following tips:

- Check your spelling.
- Reduce the number of terms included in your search.
- Broaden your search by selecting other databases, removing limits, or searching "Citations and document text" (if available).
- Use "AND" to connect two words that don't need to be searched as a phrase.
- Connect similar terms with the "OR" operator (e.g. military OR pentagon). See Search Tips for more hints.

Basic Search

Tools: Search Tips Browse Topics 1 Recent Searches

nuclear reactor? and control rod? and spring? and stress* and shear*   [Search] [Clear]

Database: Multiple databases... ▼ Select multiple databases

Date range: All dates ▼

Limit results to: ☐ Full text documents only 🗎

☐ Scholarly journals, including peer-reviewed ◆ About

More Search Options
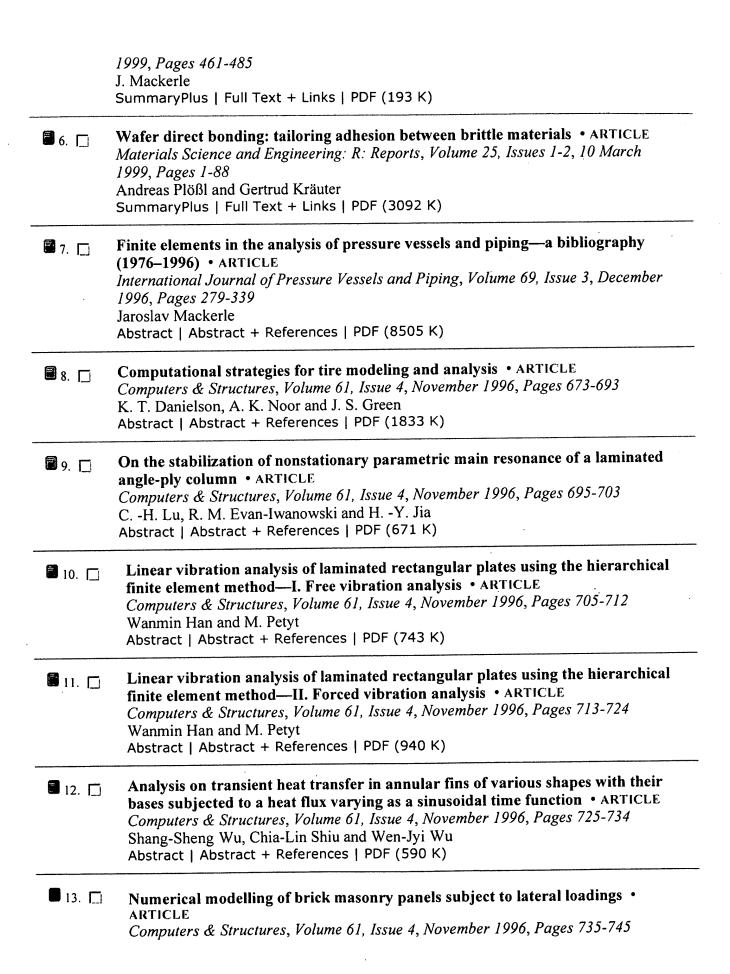
Text-only interface

ProQuest
COMPANY

ScienceDirect

| Home | Browse | Search | My Settings | Alerts | Help |

Quick Search   Title, abstract, keywords [   ]   Author [   ] e.(

❷ search tips   Journal/book title [   ]   Volume [   ] Issue [   ] Page [   ]

results **1 - 23**

23 Articles Found

pub-date > 1989 and pub-date < 2003 and nuclear reactor* and control rod* and (spring* w/25 s
and (shear*** w/25 stress**)

Edit Search | Save Search | Save as Search Alert [   ] [Search With]

🖬 = Full-text available ▢ = Non-
subscribed ❷What does this mean?

| Article List | Full Abstracts |

⌐ [display checked docs] [✉ e-mail articles] [➩ export citations]   Sort By: [Date   ▾] [Go]

🖬 1. ▢   **3D Micromechanical modeling of packed beds** • ARTICLE
Journal of Nuclear Materials, Volume 299, Issue 2, November 2001, Pages 101-110
Zi Lu, Mohamed Abdou and Alice Ying
SummaryPlus | Full Text + Links | PDF (331 K)

🖬 2. ▢   **Fretting wear of laterally supported tube** • ARTICLE
Wear, Volume 250, Issues 1-12, October 2001, Pages 535-543
Hyung-Kyu Kim, Seon-Jae Kim, Kyung-Ho Yoon, Heung-Seok Kang and Kee-Nam
Song
SummaryPlus | Full Text + Links | PDF (444 K)

🖬 3. ▢   **Post-orogenic (<1500 Ma) thermal history of the Proterozoic Eastern Fold Belt,
Mount Isa Inlier, Australia** • ARTICLE
Precambrian Research, Volume 109, Issues 1-2, 15 June 2001, Pages 103-144
R. A. Spikings, D. A. Foster, B. P. Kohn and G. S. Lister
SummaryPlus | Full Text + Links | PDF (914 K)

🖬 4. ▢   **Towards an improved understanding of glass transition and relaxations in foods:
molecular mobility in the glass transition range** • ARTICLE
*Trends in Food Science & Technology, Volume 11, Issue 2, February 2000, Pages 41-
55*
Dominique Champion, Martine Le Meste and Denise Simatos
SummaryPlus | Full Text + Links | PDF (370 K)

🖬 5. ▢   **Finite elements in the analysis of pressure vessels and piping, an addendum (1996–
1998)** • ADDENDUM
International Journal of Pressure Vessels and Piping, Volume 76, Issue 7, June

---

1999, Pages 461-485
J. Mackerle
SummaryPlus | Full Text + Links | PDF (193 K)

■ 6. ☐ **Wafer direct bonding: tailoring adhesion between brittle materials** • ARTICLE
Materials Science and Engineering: R: Reports, Volume 25, Issues 1-2, 10 March 1999, Pages 1-88
Andreas Plößl and Gertrud Kräuter
SummaryPlus | Full Text + Links | PDF (3092 K)

■ 7. ☐ **Finite elements in the analysis of pressure vessels and piping—a bibliography (1976–1996)** • ARTICLE
International Journal of Pressure Vessels and Piping, Volume 69, Issue 3, December 1996, Pages 279-339
Jaroslav Mackerle
Abstract | Abstract + References | PDF (8505 K)

■ 8. ☐ **Computational strategies for tire modeling and analysis** • ARTICLE
Computers & Structures, Volume 61, Issue 4, November 1996, Pages 673-693
K. T. Danielson, A. K. Noor and J. S. Green
Abstract | Abstract + References | PDF (1833 K)

■ 9. ☐ **On the stabilization of nonstationary parametric main resonance of a laminated angle-ply column** • ARTICLE
Computers & Structures, Volume 61, Issue 4, November 1996, Pages 695-703
C. -H. Lu, R. M. Evan-Iwanowski and H. -Y. Jia
Abstract | Abstract + References | PDF (671 K)

■ 10. ☐ **Linear vibration analysis of laminated rectangular plates using the hierarchical finite element method—I. Free vibration analysis** • ARTICLE
Computers & Structures, Volume 61, Issue 4, November 1996, Pages 705-712
Wanmin Han and M. Petyt
Abstract | Abstract + References | PDF (743 K)

■ 11. ☐ **Linear vibration analysis of laminated rectangular plates using the hierarchical finite element method—II. Forced vibration analysis** • ARTICLE
Computers & Structures, Volume 61, Issue 4, November 1996, Pages 713-724
Wanmin Han and M. Petyt
Abstract | Abstract + References | PDF (940 K)

■ 12. ☐ **Analysis on transient heat transfer in annular fins of various shapes with their bases subjected to a heat flux varying as a sinusoidal time function** • ARTICLE
Computers & Structures, Volume 61, Issue 4, November 1996, Pages 725-734
Shang-Sheng Wu, Chia-Lin Shiu and Wen-Jyi Wu
Abstract | Abstract + References | PDF (590 K)

■ 13. ☐ **Numerical modelling of brick masonry panels subject to lateral loadings** • ARTICLE
Computers & Structures, Volume 61, Issue 4, November 1996, Pages 735-745

J. S. Lee, G. N. Pande, J. Middleton and B. Kralj
Abstract | Abstract + References | PDF (872 K)

---

14. **Error estimation for plate buckling elements** • ARTICLE
Computers & Structures, Volume 61, Issue 4, November 1996, Pages 747-761
D. B. Stephen and G. P. Steven
Abstract | Abstract + References | PDF (1120 K)

---

15. **A new approach to dynamic condensation for FEM** • ARTICLE
Computers & Structures, Volume 61, Issue 4, November 1996, Pages 763-773
C. T. Dyka, R. P. Ingel and L. D. Flippen
Abstract | Abstract + References | PDF (854 K)

---

16. **Evaluation of crack propagation stability with the williams stress function—I. Stress field analysis** • ARTICLE
Computers & Structures, Volume 61, Issue 4, November 1996, Pages 775-780
G. Urriolagoitia-Calderon and L. H. Hernandez-Gomez
Abstract | Abstract + References | PDF (564 K)

---

17. **Advances in ceramic composites reinforced by continuous fibers** • ARTICLE
Current Opinion in Solid State and Materials Science, Volume 1, Issue 5, October 1996, Pages 666-673
Brian N Cox and Frank W Zok
Abstract | Abstract + References | PDF (1334 K)

---

18. **Recommendation of miniaturized techniques for mechanical testing of fusion materials in an intense neutron source** • ARTICLE
Journal of Nuclear Materials, Volume 232, Issues 2-3, 2 September 1996, Pages 186-205
P. Jung, A. Hishinuma, G. E. Lucas and H. Ullmaier
Abstract | Abstract + References | PDF (1908 K)

---

19. **Gas—liquid flow in bubble columns and loop reactors: Part I. Detailed modelling and numerical simulation** • ARTICLE
Chemical Engineering Science, Volume 49, Issue 24, Part 2, December 1994, Pages 5735-5746
A. Sokolichin and G. Eigenberger
Abstract

---

20. **Deformation and fracture behavior of metal-ceramic matrix composite materials** • REVIEW ARTICLE
Progress in Materials Science, Volume 38, 1994, Pages 1-157
R. J. Arsenault, S. Fishman and M. Taya
Abstract

---

21. **The degradation of material by fretting stress corrosion** • ARTICLE
Wear, Volume 151, Issue 1, 30 November 1991, Pages 35-47
Muhammad M. Hamdy
Abstract

---

22. **Refined numerical modelling in thermal-hydraulic analysis** • ARTICLE
Nuclear Engineering and Design, Volume 124, Issue 3, December 1990, Pages 339-361
P. L. Viollet, D. Grand, J. P. Chabard and J. P. Magnaud
Abstract

23. **Potential and problems of animal cells in suspension culture** • SHORT SURVEY
Journal of Biotechnology, Volume 15, Issues 1-2, July 1990, Pages 1-46
Christian H. Leist, Hans-Peter Meyer and Armin Fiechter
Abstract

23 Articles Found

pub-date > 1989 and pub-date < 2003 and nuclear reactor* and control rod* and (spring* w/25 stress**) and (shear*** w/25 stress**)

Edit Search | Save Search | Save as Search Alert

results **1 - 23**

Home   Browse   Search   My Settings   Alerts   Help

P⊗RTAL

USPTO

Search: ⦿ The ACM Digital Library   ○ The Guide

nuclear reactor and (spring<paragraph>stress) and (stress<se   **SEARCH**

THE ACM DIGITAL LIBRARY

í Feedback Report a problem Satisfaction survey

Terms used
nuclear reactor and **spring paragraph stress** and **stress sentence shear**

Found **389** of **198,617**

Sort results by   relevance ▼   ◆ Save results to a Binder
                                        ? Search Tips

Display results   expanded form ▼   ☐ Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 10   next
Best 200 shown   Relevance scale ☐ ◲ ◳ ◰ ■
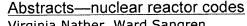
1 Abstracts—nuclear reactor codes   ◲
◆ Virginia Nather, Ward Sangren
   January 1959 **Communications of the ACM**, Volume 2 Issue 1
   Publisher: ACM Press
   Full text available: 🗎 pdf(3.51 MB)   Additional Information: full citation

2 Vector and parallel processing of the nuclear reactor transient analysis code   ◲
   RELAPS
   M. Ishiguro, M. Makino, N. Shinozawa
   November 1988 **Proceedings of the 1988 ACM/IEEE conference on Supercomputing
              Supercomputing '88**
   Publisher: IEEE Computer Society Press
   Full text available: 🗎 pdf(720.07 KB)   Additional Information: full citation, abstract, references, index terms

   An experiment of vector processing and multi-tasking of nuclear reactor transient analysis
   code RELAP5 has been made at Japan Atomic Energy Research Institute. Vector processing
   and multi-tasking of the RELAP5 were achieved by using the independency of the spatial
   meshes. The vectorization ratio is 83% The performance ratio in the vector mode to that
   in the scalar mode is about 3 on the FACOM VP-100. For multi-tasking, the spatial meshes
   are halfed and each group of meshes is processed on d ...

3 NUFACTS: A tool for the analysis of nuclear development policies   ☐
   Mark B. Triplett, Theodore L. Willke, John D. Waddell
   January 1977 **Proceedings of the 9th conference on Winter simulation - Volume 2
              WSC '77**
   Publisher: Winter Simulation Conference
   Full text available: 🗎 pdf(582.16 KB)   Additional Information: full citation, abstract, references, index terms

   NUFACTS, the Nuclear Fuel Cycle Activity Simulator, is a combined continuous/discrete
   simulation of the nuclear power economy. This model has been useful in the evaluation of
   nuclear development policies as it projects the economic and resource impacts attributable
   to a given policy. A recent application of NUFACTS has involved the economic evaluation of
   plutonium recycle options in light-water reactors. Based upon the GASP IV simulation
   language, NUFACTS provides a highly flexib ...

4   Abstracts— additional nuclear reactor codes

Virgina Nather, Ward Sangren
January 1960 **Communications of the ACM**, Volume 3 Issue 1
Publisher: ACM Press
Full text available: pdf(940.91 KB)   Additional Information: full citation

5   The role of computer systems in the nuclear power debate

Kevin W. Bowyer
April 1980 **ACM SIGCAS Computers and Society**, Volume 10 Issue 3-4
Publisher: ACM Press
Full text available: pdf(489.92 KB)   Additional Information: full citation, abstract, references

One of the primary reasons for the current "decline" of nuclear power is that reactors have not operated reliably. This unreliability has raised questions of both safety and economics. Computer systems have been a part of this failure of technology. If nuclear power is to be revived as an energy option for our country, both the quantity and quality of computer applications must increase.

6   A diagnostic expert system for analyzing multiple-failure transients in nuclear power plants

Robert P. Martin, B. Nassersharif
June 1988 **Proceedings of the 1st international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1 IEA/AIE '88**
Publisher: ACM Press
Full text available: pdf(515.98 KB)   Additional Information: full citation, abstract, references, index terms

CATALISP (Computer Aided Transient Analysis coded in Lisp) is a prototype expert system which is the result of a project investigating and implementing event confidence-levels (used by reactor safety experts in reactor transient analysis) in the form of an expert system. Currently, CATALISP is designed to diagnose reactor transients by analyzing simulated sensor and plant thermal hydraulic information from a system simulation. CATALISP uses a knowledge base of existing emergency nuclear pla ...

7   A combined simulation model of the nuclear fuel cycle

E. L. DePorter, Harold A. Kurstedt, Joel A. Nachlas
December 1977 **Proceedings of the 9th conference on Winter simulation - Volume 1 WSC '77**
Publisher: Winter Simulation Conference
Full text available: pdf(327.18 KB)   Additional Information: full citation, abstract, references, index terms

Strategies for dealing effectively with the complex nuclear fuel cycle are needed to assure the availability of the required nuclear energy portion of U.S. energy supplies. The vertical integration approach to assuring uranium fuel supplies is achieved through control or ownership of fuel cycle stages. Global system analysis is facilitated by identifying crucial control points in the fuel cycle. A GASP IV simulation model of the production and inventories of the sequentially prod ...

8   Highly vectorized algorithm for transient simulation of space reactor systems

B. Nassersharif, J. S. Peery, M. D. DeHart
November 1988 **Proceedings of the 1988 ACM/IEEE conference on Supercomputing Supercomputing '88**
Publisher: IEEE Computer Society Press
Full text available: pdf(765.38 KB)   Additional Information: full citation, abstract, references, index terms

Current interest in the application of nuclear reactor driven power systems to space missions has generated a need for an accurate systems model which is capable of handling the nonlinear transient simulation of such systems [1],[2]. A project to develop a code specifically designed to model and analyze space reactor systems is currently ongoing at Texas A&M. This code, named CENTAR (Code for Extended Nonlinear Transient Analysis of Extraterrestrial Reactors [3],[4]), is written especia ...

9 GASP IV simulation of nuclear waste

Jeffery Lee Turek, Elden L. Deporter, Harold A. Kurstedt, Charles E. Rasbach, Steven K. Funk
January 1981 **Proceedings of the 13th conference on Winter simulation - Volume 1 WSC '81**
Publisher: IEEE Press
Full text available: pdf(521.33 KB)   Additional Information: full citation, abstract, citings, index terms

The current governmental research and development program for the disposition of high-level nuclear wastes from both defense and commercial sources is modelled using a discrete GASP IV based simulation. The simulation utilizes, as input, actual and current data from various DOE management information systems. A sampling of disposition data contained within these systems are milestones, storage facility capacities, and predecessor and successor relations. Decision variables include facility ...

10 Nuclear power plant diagnostics in APL

Alexander O. Skomorokhov
July 1991 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL '91 APL '91**, Volume 21 Issue 4
Publisher: ACM Press

Full text available: pdf(903.20 KB)   Additional Information: full citation, abstract, references, citings, index terms

We are interested in the development of Nuclear Power Plant (NPP) diagnostic systems and other complex systems of data processing. There are some questions on the subject:How to build these systems easily?How to build them fast?How to build them at a low price?And how to build them to be user friendly?Today, from our point of view, in the area of Nuclear Power Plant diagnostics, there is only one answer to these questions: We must use APL.

11 Genetic algorithms: Application of genetic algorithm to optimize burnable poison placement in pressurized water reactors

Serkan Yilmaz, Kostadin Ivanov, Samuel Levine
June 2005 **Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05**
Publisher: ACM Press
Full text available: pdf(1.47 MB)   Additional Information: full citation, abstract, references, index terms

An efficient and a practical genetic algorithm tool was developed and applied successfully to Burnable Poisons (BPs) placement optimization problem in the reference Three Mile Island-1 (TMI-1) core. Core BP optimization problem means developing a BP loading map for a given core loading configuration that minimizes the total Gadolinium (Gd) amount in the core without violating any design constraints. The number of $UO2/Gd2O3$ pins and $Gd2O3$ con ...

Keywords: burnable poison, decision variables, gadolinium, genetic algorithm, nuclear, optimization, reactor

12 Procedure writing across domains: nuclear power plant procedures and computer documentation

Douglas R. Wieringa, David K. Farkas
October 1991 **Proceedings of the 9th annual international conference on Systems documentation SIGDOC '91**
Publisher: ACM Press
Full text available: pdf(852.26 KB)   Additional Information: full citation, references, index terms

13 Microprocessor applications in the nuclear industry

C. Dwayne Ethiridge
April 1980 **ACM SIGCAS Computers and Society**, Volume 10 Issue 3-4
Publisher: ACM Press
Full text available: pdf(986.50 KB)   Additional Information: full citation, abstract, references

Microprocessors in the nuclear industry, particularly at the los Al amos Scientific Laboratory, have been and are being utilized in a wide variety of applications ranging from data acquistion and control for basic physics research to monitoring special nuclear material in long-term storage. Microprocessor systems have been developed to support weapons diagnostics measurements during undergorund weapons testing at the Nevada Test Site. Multiple single-component microcomputers are now controlling ...

14 Pressurized water reactor [PWR] system simulation and disturbance analysis for anomalous transients and degraded system conditions
V. K. Dhir, S. Guarro, J. C. Lin, M. Motamed, D. Okrent
December 1979 **Proceedings of the 11th conference on Winter simulation - Volume 1 WSC '79**
Publisher: IEEE Press
Full text available: pdf(816.53 KB)   Additional Information: full citation, abstract, references, index terms

In this paper potential applications of disturbance analysis to improve availability and safety of light water reactors (LWR's) are discussed. Needs for developing on-line computer aided guidance to the reactor operator during anomalous transients are pointed out. Currently available methods to simulate primary and secondary systems of a pressurized water reactor (PWR) during anomalous transients and other conditions severely degraded from normal operation are reviewed. Limitations of these ...

15 A systematic approach to the development and validation of critical software for nuclear power plants
C. V. Ramamoorthy, F. B. Bastani, J. M. Favaro, Y. R. Mok, C. W. Nam, K. Suzuki
September 1979 **Proceedings of the 4th international conference on Software engineering ICSE '79**
Publisher: IEEE Press
Full text available: pdf(911.14 KB)   Additional Information: full citation, abstract, references, index terms

The power industry is becoming increasingly interested in the use of digital computers within nuclear plant protection systems in order to satisfy increased safety requirements, provide greater operating flexibility, minimize spurious forced outages, and (in conjunction with multiplexing) to meet separation requirements. However, the development and licensing of digital safety systems has been hindered to date by the difficulty of validating the software. A methodology is propose ...

16 Software safety: why, what, and how

Nancy G. Leveson
June 1986 **ACM Computing Surveys (CSUR)**, Volume 18 Issue 2
Publisher: ACM Press
Full text available: pdf(4.18 MB)   Additional Information: full citation, abstract, references, citings, index

Software safety issues become important when computers are used to control real-time, safety-critical processes. This survey attempts to explain why there is a problem, what the problem is, and what is known about how to solve it. Since this is a relatively new software research area, emphasis is placed on delineating the outstanding issues and research topics.

17 Computer based systems in boiling water reactors

J. N. Shukla, J. A. Iubelt
April 1980 **ACM SIGCAS Computers and Society**, Volume 10 Issue 3-4
Publisher: ACM Press
Full text available: 📄 pdf(474.71 KB)   Additional Information: full citation, abstract

This paper describes the application of computers to the General Electric Company's Boilling Water Reactor (BWR) type nuclear power plants. In the GE BWR plants, computers are used for Real Time Process Monitoring, Nuclear Steam Supply Systemn Performance and Core Limit Evaluation, Balance of Plant Performance Evaluation, Historical Recording, and Control Rod Pattern Enforcement. These functions are performed by different systems and subsystems each consisting of one or more computers. This pape ...

18 Homeland security/emergency response: simulation for response: Training first responders to nuclear facilities using 3-D visualization technology

Robert L. Sanders, Joseph E. Lake
December 2005 **Proceedings of the 37th conference on Winter simulation WSC '05**
Publisher: Winter Simulation Conference
Full text available: 📄 pdf(509.67 KB)   Additional Information: full citation, abstract, references

The development of an advanced visualization and simulation tool for first responder exercises and education is presented. This tool exploits cutting edge computer graphics, physics-based effects modeling, virtual reality, and gaming technologies to establish a system that can eventually be used for the administrative planning and training of first responders in homeland security, homeland defense, and combating terrorism communities.

19 The impact of query structure and query expansion on retrieval performance

Jaana Kekäläinen, Kalervo Järvelin
August 1998 **Proceedings of the 21st annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '98**
Publisher: ACM Press
Full text available: 📄 pdf(1.11 MB)   Additional Information: full citation, references, citings, index terms

20 Programanalysis - A method for the verification of software for the control of a nuclear reactor

W. Ehrenberger, G. Rauch, K. Okroy
October 1976 **Proceedings of the 2nd international conference on Software engineering ICSE '76**
Publisher: IEEE Computer Society Press
Full text available: 📄 pdf(394.95 KB)   Additional Information: full citation, abstract, references, index terms

The number of tests, which are necessary to prove the performance of a program, can be reduced to an executable number, if the structure of the program is investigated. The analysis starts from the memory dump. The program is first divided into those pieces, which are without labels or branchings. Then the mappings of the program and their input and output areas are identified, further those areas which influence branchings. The next

step states, which ranges of values in the individual are ...

Keywords: Process computers, Program analysis, Program testing, Reactor safety, Software reliability, User programs, Verification

Results 1 - 20 of 200   Result page: **1**   2   3   4   5   6   7   8   9   10   next

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
Terms of Usage   Privacy Policy   Code of Ethics   Contact Us

Useful downloads: Adobe Acrobat   QuickTime   Windows Media Player   Real Player

P◉RTAL
USPTO

Search: ◉ The ACM Digital Library   ○ The Guide

nuclear reactor and spring and shear* stress* and control rod?   **SEARCH**

THE ACM DIGITAL LIBRARY

🔦 Feedback   Report a problem   Satisfaction survey

Terms used
nuclear reactor and **spring** and **shear stress** and **control rod?**

Found **2,900** of **198,617**

Sort results by   [relevance ▾]   💾 Save results to a Binder   Try an Advanced Search
Display results   [expanded form ▾]   🔲 Search Tips   Try this search in The ACM Guide
                                    ☐ Open results in a new window

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 10   next
Best 200 shown   Relevance scale ☐▱▰◧■

1   The role of computer systems in the nuclear power debate   ▰
   Kevin W. Bowyer
   April 1980 **ACM SIGCAS Computers and Society**, Volume 10 Issue 3-4
   Publisher: ACM Press
   Full text available: 📄 pdf(489.92 KB)   Additional Information: full citation, abstract, references

   One of the primary reasons for the current "decline" of nuclear power is that reactors have
   not operated reliably. This unreliability has raised questions of both safety and economics.
   Computer systems have been a part of this failure of technology. If nuclear power is to be
   revived as an energy option for our country, both the quantity and quality of computer
   applications must increase.

2   Abstracts— additional nuclear reactor codes   ▰
   Virgina Nather, Ward Sangren
   January 1960 **Communications of the ACM**, Volume 3 Issue 1
   Publisher: ACM Press
   Full text available: 📄 pdf(940.91 KB)   Additional Information: full citation

3   Abstracts—nuclear reactor codes   ▰
   Virginia Nather, Ward Sangren
   January 1959 **Communications of the ACM**, Volume 2 Issue 1
   Publisher: ACM Press
   Full text available: 📄 pdf(3.51 MB)   Additional Information: full citation

4   A preprocessor for structural analysis programs   ▰
   Peter K. Ho
   June 1976 **Proceedings of the 13th conference on Design automation DAC '76**
   Publisher: ACM Press
   Full text available: 📄 pdf(589.56 KB)   Additional Information: full citation, abstract, references, index terms

   This preprocessor generates and updates input data on the geometry and properties of a
   structure and its foundation, and on gravity, seismic and other loadings.

5 The applied mathematics laboratory of the David W. Taylor Model Basin

Morris Richstone
September 1961 **Communications of the ACM**, Volume 4 Issue 9

Publisher: ACM Press

Full text available: pdf(1.47 MB)   Additional Information: full citation, references, index terms

6 Computer system reliability and nuclear war

Alan Borning
February 1987 **Communications of the ACM**, Volume 30 Issue 2

Publisher: ACM Press

Full text available: pdf(2.50 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

> Given the devastating consequences of nuclear war, it is appropriate to look at current and planned uses of computers in nuclear weapons command and control systems, and to examine whether these systems can fulfill their intended roles.

7 A systematic approach to the development and validation of critical software for nuclear power plants

C. V. Ramamoorthy, F. B. Bastani, J. M. Favaro, Y. R. Mok, C. W. Nam, K. Suzuki
September 1979 **Proceedings of the 4th international conference on Software engineering ICSE '79**

Publisher: IEEE Press

Full text available: pdf(911.14 KB)   Additional Information: full citation, abstract, references, index terms

> The power industry is becoming increasingly interested in the use of digital computers within nuclear plant protection systems in order to satisfy increased safety requirements, provide greater operating flexibility, minimize spurious forced outages, and (in conjunction with multiplexing) to meet separation requirements. However, the development and licensing of digital safety systems has been hindered to date by the difficulty of validating the software. A methodology is propose ...

8 Highly vectorized algorithm for transient simulation of space reactor systems

B. Nassersharif, J. S. Peery, M. D. DeHart
November 1988 **Proceedings of the 1988 ACM/IEEE conference on Supercomputing Supercomputing '88**

Publisher: IEEE Computer Society Press

Full text available: pdf(765.38 KB)   Additional Information: full citation, abstract, references, index terms

> Current interest in the application of nuclear reactor driven power systems to space missions has generated a need for an accurate systems model which is capable of handling the nonlinear transient simulation of such systems [1],[2]. A project to develop a code specifically designed to model and analyze space reactor systems is currently ongoing at Texas A&M. This code, named CENTAR (Code for Extended Nonlinear Transient Analysis of Extraterrestrial Reactors [3],[4]), is written especia ...

9 Illustrative risks to the public in the use of computer systems and related technology

Peter G. Neumann
January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 1

Publisher: ACM Press

Full text available: pdf(2.54 MB)   Additional Information: full citation

10 Illustrative risks to the public in the use of computer systems and related technology

Peter G. Neumann
January 1994 **ACM SIGSOFT Software Engineering Notes**, Volume 19 Issue 1
Publisher: ACM Press
Full text available: pdf(2.24 MB)   Additional Information: full citation, citings, index terms

11 Illustrative risks to the public in the use of computer systems and related technology
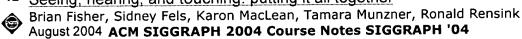
Peter G. Neumann
January 1992 **ACM SIGSOFT Software Engineering Notes**, Volume 17 Issue 1
Publisher: ACM Press
Full text available: pdf(1.65 MB)   Additional Information: full citation, citings, index terms

12 Seeing, hearing, and touching: putting it all together

Brian Fisher, Sidney Fels, Karon MacLean, Tamara Munzner, Ronald Rensink
August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**
Publisher: ACM Press
Full text available: pdf(20.64 MB)   Additional Information: full citation

13 Software safety in embedded computer systems

Nancy G. Leveson
February 1991 **Communications of the ACM**, Volume 34 Issue 2
Publisher: ACM Press
Full text available: pdf(2.83 MB)   Additional Information: full citation, references, citings, index terms

14 The development of the SIMULA languages

Kristen Nygaard, Ole-Johan Dahl
January 1978 **ACM SIGPLAN Notices , The first ACM SIGPLAN conference on History of programming languages HOPL-1**, Volume 13 Issue 8
Publisher: ACM Press
Full text available: pdf(2.83 MB)   Additional Information: full citation, abstract, references, citings, index terms

The organizers of this conference have told us that we should write at least 25 pages of manuscript, but that we may produce as many pages more as we wanted. Perhaps they did not envisage the possible consequences, but we have taken their words at face value. This paper has implied a vast amount of work and archeological activities. We are grateful to SIGPLAN for defining a task to which resources had to be allocated by our institutions and which forced us to write down an accoun ...

15 The expanding world of computers

E. L. Harder
April 1968 **Communications of the ACM**, Volume 11 Issue 4
Publisher: ACM Press
Full text available: pdf(2.70 MB)   Additional Information: full citation, abstract

The onward sweep of automatic processing of information is impeded by nine principal barriers: geography, cost, problem complexity, man-machine communication, inadequate sensors, lack of understanding, distance, time, and size. The main incentive for breaching

these barriers is the universal need for processing information, ever more urgent as the greater part of human work activity changes from production to service. Computer developments in hardware, programming, time-sharing, ...

Keywords: barriers, computer science, computer-aided design, data communication, developments, education, forecast, introduction, philosophy, problem-oriented languages, survey

16 Advanced topics on clothing simulation and animation: Robust treatment of collisions, contact and friction for cloth animation

Robert Bridson, Ronald Fedkiw, John Anderson
July 2005 **ACM SIGGRAPH 2005 Courses SIGGRAPH '05**
Publisher: ACM Press
Full text available: pdf(279.40 KB)   Additional Information: full citation, abstract, references, index terms

We present an algorithm to efficiently and robustly process collisions, contact and friction in cloth simulation. It works with any technique for simulating the internal dynamics of the cloth, and allows true modeling of cloth thickness. We also show how our simulation data can be post-processed with a collision-aware subdivision scheme to produce smooth and interference free data for rendering.

Keywords: cloth, collision detection, collision response, contacts, kinetic friction, physically based animation, static friction

17 Robust treatment of collisions, contact and friction for cloth animation

Robert Bridson, Ronald Fedkiw, John Anderson
July 2002 **ACM Transactions on Graphics (TOG), Proceedings of the 29th annual conference on Computer graphics and interactive techniques SIGGRAPH '02**, Volume 21 Issue 3
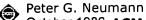**Publisher:** ACM Press

Full text available: pdf(3.74 MB)   Additional Information: full citation, abstract, references, citings, index terms

We present an algorithm to efficiently and robustly process collisions, contact and friction in cloth simulation. It works with any technique for simulating the internal dynamics of the cloth, and allows true modeling of cloth thickness. We also show how our simulation data can be post-processed with a collision-aware subdivision scheme to produce smooth and interference free data for rendering.

Keywords: cloth, collision detection, collision response, contacts, kinetic friction, physically based animation, static friction

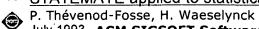**18** Risks to the public in computer systems

Peter G. Neumann
October 1986 **ACM SIGSOFT Software Engineering Notes**, Volume 11 Issue 5
Publisher: ACM Press
Full text available: pdf(2.19 MB)   Additional Information: full citation, index terms

19 STATEMATE applied to statistical software testing

P. Thévenod-Fosse, H. Waeselynck
July 1993 **ACM SIGSOFT Software Engineering Notes, Proceedings of the 1993 ACM**

SIGSOFT international symposium on Software testing and analysis ISSTA '93, Volume 18 Issue 3
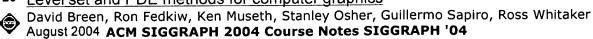**Publisher:** ACM Press

Full text available: ⬛ pdf(1.31 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

This paper is concerned with the use of statistical testing as a verification technique for complex software. Statistical testing involves exercising a program with random inputs, the test profile and the number of generated inputs being determined according to criteria based on program structure or software functionality. In case of complex programs, the probabilistic generation must be based on a black box analysis, the adopted criteria being defined from behavior model ...

20 <u>Level set and PDE methods for computer graphics</u>
David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**
Publisher: ACM Press
Full text available: ⬛ pdf(17.07 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>citings</u>

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

Results 1 - 20 of 200   Result page: **1** <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u> <u>next</u>

PORTAL

Subscribe (Full Service)   Register (Limited Service, Free)   Login

Search: ◉ The ACM Digital Library   ○ The Guide

nuclear reactor and spring and shear* and stress* and control   **SEARCH**

THE ACM DIGITAL LIBRARY

📕 Feedback Report a problem Satisfaction survey

Terms used
nuclear reactor and **spring** and **shear** and **stress** and **control rod?** and **impact** and **guide tube?**

Found
4,717 of
198,617

Sort results by	relevance ▼	📗 Save results to a Binder	Try an Advanced Search
Display results	expanded form ▼	❓ Search Tips	Try this search in The ACM Guide
		☐ Open results in a new window	

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 10   next
Best 200 shown   Relevance scale ☐ ▭ ▬ ◼ ◼

1 Seeing, hearing, and touching: putting it all together   ◼
Brian Fisher, Sidney Fels, Karon MacLean, Tamara Munzner, Ronald Rensink
August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**
Publisher: ACM Press
Full text available: 📄 pdf(20.64 MB)   Additional Information: full citation

2 Computer system reliability and nuclear war   ◼
Alan Borning
February 1987 **Communications of the ACM**, Volume 30 Issue 2
Publisher: ACM Press

Full text available: 📄 pdf(2.50 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Given the devastating consequences of nuclear war, it is appropriate to look at current and planned uses of computers in nuclear weapons command and control systems, and to examine whether these systems can fulfill their intended roles.

3 Level set and PDE methods for computer graphics   ◼
David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**
Publisher: ACM Press
Full text available: 📄 pdf(17.07 MB)   Additional Information: full citation, abstract, citings

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

4 Abstracts— additional nuclear reactor codes   ◼
Virgina Nather, Ward Sangren
January 1960 **Communications of the ACM**, Volume 3 Issue 1
Publisher: ACM Press

Full text available: 🔁 pdf(940.91 KB)   Additional Information: <u>full citation</u>

5   <u>Special issue: AI in engineering</u>

D. Sriram, R. Joobbani
April 1985 **ACM SIGART Bulletin**, Issue 92
Publisher: ACM Press
Full text available: 🔁 pdf(8.79 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>

> The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

6   <u>On building systems that will fail</u>

Fernando J. Corbató
September 1991 **Communications of the ACM**, Volume 34 Issue 9
Publisher: ACM Press
Full text available: 🔁 pdf(1.02 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>, <u>review</u>

7   <u>Final report of the GSPC state-of-the-art subcommittee</u>

R. H. Ewald, R. Fryer
June 1978 **ACM SIGGRAPH Computer Graphics**, Volume 12 Issue 1-2
Publisher: ACM Press
Full text available: 🔁 pdf(7.85 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>

> This paper presents the final report of the ACM/SIGGRAPH Graphics Standards Planning Committee (GSPC) State-of-the-Art Subcommittee. This group's charter was to compare existing vector-oriented graphics packages to determine their similarities and differences. Eight graphics packages and the GSPC "Core System" were selected for review.

8   <u>Collision detection and proximity queries</u>

Sunil Hadap, Dave Eberle, Pascal Volino, Ming C. Lin, Stephane Redon, Christer Ericson
August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**
Publisher: ACM Press
Full text available: 🔁 pdf(11.22 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>

> This course will primarily cover widely accepted and proved methodologies in collision detection. In addition more advanced or recent topics such as continuous collision detection, ADFs, and using graphics hardware will be introduced. When appropriate the methods discussed will be tied to familiar applications such as rigid body and cloth simulation, and will be compared. The course is a good overview for those developing applications in physically based modeling, VR, haptics, and robotics.

9   <u>Numerical computations: its nature and research directions</u>

J. R. Rice, C. W. Gear, J. Ortega, B. Parlett, M. Schultz, L. F. Shampine, P. Wolfe, J. F. Traub
February 1979 **ACM SIGNUM Newsletter**, Volume 14 Issue si-1
Publisher: ACM Press
Full text available: 🔁 pdf(4.43 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>

> This report on research in numerical computation is part of the Computer Science and Engineering Research Study (COSERS) which is aimed at technically educated people

outside the Computer Science field. This goal led the panel to face many difficult choices between precise, but excessively technical, descriptions and looser, but more accessible expositions. The panel hopes that all readers will keep this in mind.

10 The elements of nature: interactive and realistic techniques

Oliver Deusen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemyslaw Prusinkiewicz, Doug Roble, Jos Stam, Jerry Tessendorf

August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available: pdf(17.65 MB)   Additional Information: full citation, abstract

This updated course on simulating natural phenomena will cover the latest research and production techniques for simulating most of the elements of nature. The presenters will provide movie production, interactive simulation, and research perspectives on the difficult task of photorealistic modeling, rendering, and animation of natural phenomena. The course offers a nice balance of the latest interactive graphics hardware-based simulation techniques and the latest physics-based simulation techni ...

11 Digital control of industrial processes

Cecil L. Smith

September 1970 **ACM Computing Surveys (CSUR)**, Volume 2 Issue 3

Publisher: ACM Press

Full text available: pdf(2.11 MB)   Additional Information: full citation, references, citings, index terms

12 Simulation documents available: from NTIS

Tuncer I. Oren

January 1975 **ACM SIGSIM Simulation Digest**, Volume 6 Issue 2-3

Publisher: ACM Press

Full text available: pdf(1.06 MB)   Additional Information: full citation, abstract

The NTIS (National Technical Information Service) collection includes (i) Government-sponsored research and development reports, (ii) Government analyses prepared by Federal agencies, their contractors or grantees, (iii) Federally sponsored translations, and (iv) some reports written in foreign languages. The NTIS reports exist in paper copy or in microfiche unless otherwise specified and are available indefinitely. To order the documents contact: NTIS, P.O. Box 1552, Springfield, Virginia 22151 ...

13 Illustrative risks to the public in the use of computer systems and related technology

Peter G. Neumann

January 1994 **ACM SIGSOFT Software Engineering Notes**, Volume 19 Issue 1

Publisher: ACM Press

Full text available: pdf(2.24 MB)   Additional Information: full citation, citings, index terms

14 Abstracts—nuclear reactor codes

Virginia Nather, Ward Sangren

January 1959 **Communications of the ACM**, Volume 2 Issue 1

Publisher: ACM Press

Full text available: pdf(3.51 MB)   Additional Information: full citation

15

Electronic Computers: A Historical Survey

Saul Rosen

March 1969 **ACM Computing Surveys (CSUR)**, Volume 1 Issue 1

Publisher: ACM Press

Full text available: pdf(2.45 MB)   Additional Information: full citation, references, citings, index terms

16   Illustrative risks to the public in the use of computer systems and related technology

Peter G. Neumann

January 1992 **ACM SIGSOFT Software Engineering Notes**, Volume 17 Issue 1

Publisher: ACM Press

Full text available: pdf(1.65 MB)   Additional Information: full citation, citings, index terms

17   Computer technology in communist China, 1956-1965

Donald G. Audette

September 1966 **Communications of the ACM**, Volume 9 Issue 9

Publisher: ACM Press

Full text available: pdf(1.02 MB)   Additional Information: full citation, abstract, references

Based on information from translations of Communist Chinese news items and periodical literature for the 1956 through 1965 period, computer technology in China is reviewed under the following headings: (1) initial planning, organization and educational aspects of computer technology and automation; 2) machine development progress: two major specific machines in 1958-59, with Soviet aid; a vacuum in 1960-64 due to the withdrawal of Soviet aid; then presumably all-Chinese-made machines from 1 ...

18   High dynamic range imaging

Paul Debevec, Erik Reinhard, Greg Ward, Sumanta Pattanaik

August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available: pdf(20.22 MB)   Additional Information: full citation, abstract

Current display devices can display only a limited range of contrast and colors, which is one of the main reasons that most image acquisition, processing, and display techniques use no more than eight bits per color channel. This course outlines recent advances in high-dynamic-range imaging, from capture to display, that remove this restriction, thereby enabling images to represent the color gamut and dynamic range of the original scene rather than the limited subspace imposed by current monitor ...

19   Special issue on knowledge representation

Ronald J. Brachman, Brian C. Smith

February 1980 **ACM SIGART Bulletin**, Issue 70

Publisher: ACM Press

Full text available: pdf(13.13 MB)   Additional Information: full citation, abstract, citings

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were twe useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

20   The development of the SIMULA languages

Kristen Nygaard, Ole-Johan Dahl
January 1978 **ACM SIGPLAN Notices , The first ACM SIGPLAN conference on History of programming languages HOPL-1**, Volume 13 Issue 8
Publisher: ACM Press

Full text available: pdf(2.83 MB)

Additional Information: full citation, abstract, references, citings, index terms

The organizers of this conference have told us that we should write at least 25 pages of manuscript, but that we may produce as many pages more as we wanted. Perhaps they did not envisage the possible consequences, but we have taken their words at face value. This paper has implied a vast amount of work and archeological activities. We are grateful to SIGPLAN for defining a task to which resources had to be allocated by our institutions and which forced us to write down an accoun ...

Results 1 - 20 of 200   Result page: **1**   2   3   4   5   6   7   8   9   •10   next

WEST Search History

| Hide Items | Restore | Clear | Cancel |

DATE: Friday, March 16, 2007

Hide?	**Set Name**	**Query**	**Hit Count**
		DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=ADJ	
☐	L7	L6 and (stress$ same spring?)	8
☐	L6	nuclear and reactor and fuel and spring? and shear$ and stress	66
☐	L5	L3 and (spring? same shear$ stress$)	1
☐	L4	L3 and (spring with shear$ stress$)	2
☐	L3	nuclear reactor and spring	3248
☐	L2	callens.in. and nuclear reactor and spring	2
☐	L1	("4826648" |"5076995")!.PN.	2

END OF SEARCH HISTORY

Hit List

| Clear | | Generate Collection | | Print | | Fwd Refs | | Bkwd Refs |
| Generate OACS |

Search Results - Record(s) 1 through 2 of 2 returned.

□ 1.   Document ID: US 20060165208 A1

L4: Entry 1 of 2   File: PGPB   Jul 27, 2006

PGPUB-DOCUMENT-NUMBER: 20060165208
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060165208 A1

TITLE: Method for designing a nuclear fuel assembly with damping guide tube

PUBLICATION-DATE: July 27, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Callens; Catherine	Lyon		FR
Segura; Helene	Lyon		FR

US-CL-CURRENT: 376/234

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

□ 2.   Document ID: US 20050157835 A1

L4: Entry 2 of 2   File: PGPB   Jul 21, 2005

PGPUB-DOCUMENT-NUMBER: 20050157835
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050157835 A1

TITLE: Method for designing a spider spring of a bundle controlling a nuclear fuel assembly, corresponding system, computer programme and product

PUBLICATION-DATE: July 21, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Callens, Catherine	Lyon		FR
Segura, Helene	Lyon		FR

US-CL-CURRENT: 376/327

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

Hit List

First Hit | Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs |
Generate OACS

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 4879899 A

L5: Entry 1 of 1   File: USPT   Nov 14, 1989

US-PAT-NO: 4879899
DOCUMENT-IDENTIFIER: US 4879899 A

TITLE: Shear stress gauge

DATE-ISSUED: November 14, 1989

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Leehey; Patrick	Swampscott	MA		

US-CL-CURRENT: 73/147

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequence | Drawing | Claims | KWIC | Draw De |

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Term	Documents
SPRING?	0
SPRINGA	1
SPRINGE	253
SPRINGF	5
SPRINGG	6
SPRINGI	10
SPRINGL	3
SPRINGM	1
SPRINGN	5
SPRINGR	3
SPRINGS	310882
(L3 AND (SPRING? SAME SHEAR$ STRESS$)).PGPB,USPT.	1

There are more results than shown above. Click here to view the entire set.

Hit List

| Clear | | Generate Collection | | Print | | Fwd Refs | | Bkwd Refs |
| Generate OACS |

Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 20060165208 A1

L7: Entry 1 of 8   File: PGPB   Jul 27, 2006

PGPUB-DOCUMENT-NUMBER: 20060165208
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060165208 A1

TITLE: Method for designing a nuclear fuel assembly with damping guide tube

PUBLICATION-DATE: July 27, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Callens; Catherine	Lyon		FR
Segura; Helene	Lyon		FR

US-CL-CURRENT: 376/234

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 2. Document ID: US 20060041448 A1

L7: Entry 2 of 8   File: PGPB   Feb 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060041448
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060041448 A1

TITLE: Number of new and unique manufacturing and assembley methods and processes to cost effectively refit and market legacy implements like "The Gilhoolie" presently names "The Wili Grip" TM

PUBLICATION-DATE: February 23, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Patterson; Robbie Lynne	Potomac	MD	US
Stephens; Richard Lewis JR.	Silver Spring	MD	US
Walker; Richard C.	Waldorf	MD	US

US-CL-CURRENT: 705/1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 3.   Document ID: US 20050157835 A1

L7: Entry 3 of 8   File: PGPB   Jul 21, 2005

PGPUB-DOCUMENT-NUMBER: 20050157835
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050157835 A1

TITLE: Method for designing a spider spring of a bundle controlling a <u>nuclear fuel</u>
assembly, corresponding system, computer programme and product

PUBLICATION-DATE: July 21, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Callens, Catherine	Lyon		FR
Segura, Helene	Lyon		FR

US-CL-CURRENT: <u>376</u>/<u>327</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 4.   Document ID: US 5742653 A

L7: Entry 4 of 8   File: USPT   Apr 21, 1998

US-PAT-NO: 5742653
DOCUMENT-IDENTIFIER: US 5742653 A

TITLE: Vertical and lateral restraint stabilizer for core shroud of boiling water
<u>reactor</u>

DATE-ISSUED: April 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Erbes; John Geddes	Mt. View	CA		
Charnley; James Edward	Nevada City	CA		
Kobsa; Irvin Raymond	San Jose	CA		

US-CL-CURRENT: <u>376</u>/<u>302</u>; <u>376</u>/<u>285</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 5.   Document ID: US 5182484 A

L7: Entry 5 of 8   File: USPT   Jan 26, 1993

US-PAT-NO: 5182484
DOCUMENT-IDENTIFIER: US 5182484 A

TITLE: Releasing linear actuator

DATE-ISSUED: January 26, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Culp; Gordon W.	Van Nuys	CA		

US-CL-CURRENT: 310/328

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

---

6. Document ID: US 4673544 A

L7: Entry 6 of 8   File: USPT   Jun 16, 1987

US-PAT-NO: 4673544
DOCUMENT-IDENTIFIER: US 4673544 A

TITLE: Pushing device for sliding fuel rods out of a nuclear reactor fuel assembly

DATE-ISSUED: June 16, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rohr; Franz	Erlangen			DE

US-CL-CURRENT: 376/261; 198/719, 29/723, 376/268, 376/271, 976/DIG.274

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

---

7. Document ID: US 4411862 A

L7: Entry 7 of 8   File: USPT   Oct 25, 1983

US-PAT-NO: 4411862
DOCUMENT-IDENTIFIER: US 4411862 A
** See image for Certificate of Correction **

TITLE: Spacer grating for fuel element in a nuclear reactor

DATE-ISSUED: October 25, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Leclercq; Joseph	St. Didier			FR
Le Pargneux; Jacques	Lyons			FR

Feutrel; Claude   Vauhallan   FR
Lestiboudois; Guy   Paris   FR
Chantant; Michel   Bois d'Arcy   FR

US-CL-CURRENT: <u>376</u>/<u>442</u>; <u>376</u>/<u>441</u>, <u>976</u>/<u>DIG.71</u>, <u>976</u>/<u>DIG.77</u>, <u>976</u>/<u>DIG.81</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 8. Document ID: US 4297324 A

L7: Entry 8 of 8   File: USPT   Oct 27, 1981

US-PAT-NO: 4297324
DOCUMENT-IDENTIFIER: US 4297324 A

TITLE: Apparatus for the continuous processing of compounds in a liquid

DATE-ISSUED: October 27, 1981

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Sauvage; Henri	Bagnols sur Ceze			FR
Tarnero; Maurice	Bagnols sur Ceze			FR

US-CL-CURRENT: <u>422</u>/<u>268</u>; <u>198</u>/<u>493</u>, <u>198</u>/<u>778</u>, <u>209</u>/<u>158</u>, <u>210</u>/<u>178</u>, <u>366</u>/<u>227</u>, <u>376</u>/<u>308</u>, <u>422</u>/<u>257</u>, <u>422</u>/<u>260</u>, <u>976</u>/<u>DIG.275</u>, <u>976</u>/<u>DIG.278</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |

Term	Documents
STRESS$	0
STRESS	436072
STRESSA	1
STRESSABIASB	1
STRESSABIITIES	3
STRESSABILITIES	6
STRESSABILITY	200
STRESSABLE	352
STRESSABLY	2
STRESSABSORBING	5
STRESSACTIVATED	5
(L6 AND (STRESS$ SAME SPRING?)).PGPB,USPT.	8